

# STATE OF CONNECTICUT

## DEPARTMENT OF PUBLIC HEALTH

Jewel Mullen, M.D., M.P.H., M.P.A.  
Commissioner



Dannel P. Malloy  
Governor  
Nancy Wyman  
Lt. Governor

July 31, 2015

Kevin M. Solli, P.E.  
Solli Engineering, LLC  
1428 Monroe Turnpike  
Monroe, CT 06468

**RE: Manufactured Select Fill – New England Materials, LLC, Monroe**

Dear Mr. Solli:

This Department has reviewed the technical support documentation you submitted on New England Materials, LLC manufactured select fill. The information was submitted in accordance with the Technical Standards' requirement that suppliers of manufactured select fill provide an annual product registration to our Department for review.

The following information has been submitted in accordance with the Technical Standards' requirements:

- 1.) Narrative of the quality control / quality assurance (QC/QA) program.
- 2.) Sieve analysis meeting the gradation criteria listed in the Technical Standards.
- 3.) Abrasion and impact test with a material loss of abrasion not more than 50%.
- 4.) Soundness evaluation with a result of a material loss not more than 15%.
- 5.) Permeability test documenting a permeability result greater than 15 feet/day.

The documentation submitted for the manufactured select fill has been found to be acceptable. This office hereby approves New England Materials, LLC manufactured sand as select fill. It should be noted that the local health department or design engineer may require a sieve analysis and in some instances permeability testing of the on-site material to confirm compliance with design criteria. All fill material must meet the gradation requirements in the Technical Standards unless the project's design engineer authorizes its use.

New England Materials, LLC must continue an ongoing QC/QA program that monitors the quality of manufactured fill distributed for septic system installations in order to ensure an acceptable product. This office must be notified if future testing identifies material that does not comply with the criteria / standards noted above. Only manufactured fill meeting these specifications is approved for use as select fill. This approval is limited to 1 year and will expire on June 30, 2016.

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Next year's annual registration must be submitted for review and approval prior to July 1, 2016.

Engineers, installers, and local health departments must be made aware that you are distributing manufactured select fill. Sales slips and in house records should specify the product purchased. Typical specifications on engineer's plans call for a bank run product. These specifications would have to be modified in order for your manufactured sand to be utilized in an engineered design.

Feel free to reproduce this letter in its entirety as a means of notifying applicable parties of this office's approval. This approval is not to be construed as an endorsement of your product or any other select fill. If you have any questions or would like to further discuss this matter please contact this office.

Sincerely,

A handwritten signature in blue ink that reads "Matthew A. Pawlik". The signature is fluid and cursive, with the first name "Matthew" and last name "Pawlik" clearly legible.

Matthew A. Pawlik, P.E., R.S.  
Sanitary Engineer III  
Environmental Engineering Program

Cc: Robert Scully, P.E., Supervising Sanitary Engineer, Environmental Engineering Program  
New England Materials, LLC, 64 Cambridge Drive, Monroe, CT, 06468